

LT 1  
 3438  
 S  
 NITRON  
 3530N  
 AUI143438  
 AUI143438  
 AUI143438  
 AUI143438.1  
 EST.  
 KEYWORDS  
 SOURCE human.

ORGANISM	TITLE
<i>Homo sapiens</i>	HRI human cDNA project
<i>Ekmatayota: Metazoa: Chordata: Craniata: Vertebrata: Euteleostomi:</i>	Unpublished (2000)
<i>Mammalia: Eutheria: Primates: Catarrhini: Homnidae: Homo.</i>	Contact: Takao Isogai
1 (bases 1 to 808)	Genomics Laboratory
Ota,T., Nishikawa,T., Suzuki,Y., Ishii,S., Saito,K., Kawai,Y.,	Helix Research Institute
Yamamoto,J., Wakamatsu,A., Nakamura,Y., Nagai,T., Sugano,S. and	1532-3 Yana, Kisarazu, Chiba 292-0812, Japan
Isogai,T.	Tel: 81-438-52-3951
	Fax: 81-438-52-3952
	Email: genomics@hri.co.jp
	HRI human cDNA project; 5'- & 3'-end one pass sequencing: Helix
	Research Institute; cDNA library construction: Department of
	Viology; Institute of Medical Science, University of Tokyo, and
	Helix Research Institute.

```

source
1. .808
/organism="Homo sapiens"
/db_xref="taxon:9606"
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/cell_type="retinoblastoma"
/cell_line="Y79"
/note="Vector: pHE185FL13"
190 a 256 c 189 g 170 t 3 otherz

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Best Local Similarity	96.28;	Pred. No. 8.2e-178;		
Matches 777; Conservative	0;	Mismatches 29;	Indels 2;	Gaps 2

QY	38	GTGCTCCGTGCTGATCTTAAAGGAACAGCCCTTCCAGCCGCGCCCACTGAACGGCTTC	97
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QY	98	AAGTGGACTTATTTGGTCTGATGGGGAAGATAGCTGTCCAGAAGTACCCGTCTGT	157
Db	61	AAGTGGACTTATTTGGTCTGATGGGGAAGATAGCTGTCCAGAAGTACCCGTCTGT	120
QY	158	GGGGGCTGTGCACTCCCCCATAGACCCGACAGTGAACATCTCCAGATGACGGCAG	217
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QY	218	CTCACGCCCCCTGAGTCCAAAGGCTACAACTGTCTGCCAACAGCAGTTTCTCTGACC	277
Db	181	CTCACGCCCCCTGAGTCCAAAGGCTACAACTGTCTGCCAACAGCAGTTTCTCTGACC	240
QY	278	AACATGGCCATTGCTGTAAGCTGAACCTGCCCTGGAGCATCACAATCCAGGGCCGACG	337
Db	241	AACATGGCCATTGCTGTAAGCTGAACCTGCCCTGGAGCATCACAATCCAGGGCCGACG	300
QY	338	TCTGCTACAGTGCACGACGCTGCACCTGTCACTGGGGGAACCCGAAATGACCCGACGCG	397
Db	301	TCTGCTACAGTGCACGACGCTGCACCTGTCACTGGGGGAACCCGAAATGACCCGACGCG	360
QY	398	TCTGAGCTACCGTCAGGGGACAGCACTTCCCGCGAGCTCACAATCTTCATTATTAAC	457
Db	361	TCTGAGCACACCGTCAGGGGACAGCACTTCCCGCGAGCTCACAATCTTCATTATTAAC	420
QY	458	TCAGACCTTATTCCTGACGACAGANACTCCACAAACAGTCAAGAGACCTCGCTGTCTG	517
Db	421	TCAGACCTTATTCCTGACGACAGACTCGCAGCAACAAAGTCAGAAAGCCTGTGTCTG	480
QY	518	GGTGTCTCATTTGAGATGGGCTCCTTCAATCCGTCTATGACAAAGATCTTCACTACTT	577
Db	481	GCTGTCTCATTTGAGATGGGCTCCTTCAATCCGTCTATGACAAAGATCTTCACTACTT	540
QY	578	CAACATGTAAAGTACAAAGGCGCAGGAACATCTGTCCGGGATTTGAACATTAAGAGCTG	637
Db	541	CAACATGTAAAGTACAAAGGCGCAGGAACATCTGTGTCCGAGTTTCAACATTAAGAGCTG	600
QY	638	CTTCCGAGAGGACCGCTGAATATTACTGCTA-CCGGGGGTCCGTGATCACACCCCTTGG	696
Db	601	CTTCCGAGAGGACCGCTGAATATTACTGCTA-CCGGGGGTCCGTGATCACACCCCTTGG	660
QY	697	CAACCCCATGTGGCTGTGAGCAG-TTTTCCGAAACCCCGTGAATTTCCAGAGGACAC	755
Db	661	CAACCCCATGTGGCTGTGAGCAGTTTTCGAAACCCCGTGAATTTTCAGAGGACAC	720
QY	756	TGCTGGCTTTTGAGACAGCCCTGTACTGCACACACATGGACGACCCCTTCCACAGAGAA	815
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QY	816	TGATCAACAACCTCCGAGAGTCCAGAA 843	
Db	781	GATCAACAACCTTCCGAGAGTCCAGAA 808	

LOCUS	696 bp	EST	20-OCT-2000
DEFINITION	BE780855	601469446f1 NIH_MGC_67	Homo sapiens cDNA clone IMAGE:3872774 5',
ACCESSION	BE780855	mRNA sequence.	
VERSION	BE780855	EST.	
KEYWORDS	BE780855.1	GI:10202053	
SOURCE	human.		
ORGANISM	Homo sapiens		
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eumammalia; Primates; Haplorhina; Catarrhini; Simiiformes; Hominoidea; Homidae; Homininae; Hominini; Hominina; Homo		



/lab\_host="DH10B (phage-resistant)"  
 /note="Organ: kidney; Vector: PCMV-SPORT6; Site: 1: NotI;  
 Site: 2: SalI; Cloned unidirectionally; oligo-dt primed.  
 Average insert size 1.3 kb. Library enriched for  
 full-length clones and constructed by Life Technologies.  
 Note: this is a NIH-MGC Library."

BASE COUNT 303 a 205 c 227 g 247 t 1 others  
 ORIGIN

Query Match 20.0%; Score 535; DB 174; Length 983;  
 Best Local Similarity 90.2%; Pred. No. 1.7e-125;  
 Matches 702; Conservative 0; Mismatches 53; Indels 23; Gaps 12;

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 DB 1 AAAACCTTTATCTGACCTTACACACTGCGGAGCAAAATGGGAGAGATCAAGTT 59  
 OY 1626 GTAGAGNAGAAAAGAAAAGAGATATATGATATATATATATATATATATATATAT 1685  
 DB 60 GTAGAG-AGAAAAGAAAAGAGATATATATATATATATATATATATATATATATAT 116  
 OY 1686 AGTCCTGCTCTGATCAGACACTGACAGACTTAAAGG-ATATATATATATATATATAT 1745  
 DB 117 AGTCCTGCTCTGATCAGACACTGACAGACTTAAAGG-ATATATATATATATATATAT 174  
 OY 1746 TCCACTTCTGTTGGGAG 1805  
 DB 175 TCCACTTCTGTTGGGAG 234  
 OY 1806 ACATGGATGATGAG 1865  
 DB 235 ACATGGATGATGAG 294  
 OY 1866 CAAGCCATTAATGTAAG 1925  
 DB 295 CAAGCCATTAATGTAAG 354  
 OY 1926 TGAAGAGATTAATGTTTATCTGACAGATTTTAAATATATATATATATATATATAT 1985  
 DB 355 TGAAGAGATTAATGTTTATCTGACAGATTTTAAATATATATATATATATATATAT 413  
 OY 1986 AANTGTTGNTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2045  
 DB 414 A-----TGTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 466  
 OY 2046 NCGNTTGNATNTCTNGAGAGNATATANGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2105  
 DB 467 GCTTTGAAATCT- -GAG 523  
 OY 2106 TAGGCAATTTTATCTGACAGCTTCTGACAGAT-CTTACTGCAACCTGATGAGAGAG 2164  
 DB 524 TAGGCAATTTTATCTGACAGCTTCTGACAGAT-CTTACTGCAACCTGATGAGAGAG 583  
 OY 2165 CTTTATCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2224  
 DB 584 CTTTATCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 643  
 OY 2225 AAGCTATAAG 2283  
 DB 644 AAGCTATAAG 702  
 OY 2284 GTAAATATGAGATCTACTAAGATCAATATCTTCTCCGAGATCAGACAGAGAGAG 2341  
 DB 703 -GTAAATATGAGATCTCTCTAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 757

RESULT 10  
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 LOCUS MRO-HT0448-060300-003-911 HT0448 Homo sapiens cDNA, mRNA sequence.  
 DEFINITION BE162000  
 ACCESSION BE162000  
 VERSION BE162000.1 GI:8624721

# KEYWORDS

EST.  
 human.  
 Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.  
 1 (bases 1 to 709)  
 Dias Neto, E., Garcia Correia, R., Verjovski-Almeida, S., Briones, M.R.,  
 Nagai, M.A., da Silva, M. Jr., Zago, M.A., Bordin, S., Costa, F.F.,  
 Goldman, G.H., Carvalho, A.F., Matsukuma, A., Bal, G.S., Simpson, D.H.,  
 Brunstein, A., de Oliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare,  
 M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J. and  
 Simpson, A.J.

# TITLE

Shotgun sequencing of the human transcriptome with ORF expressed  
 sequence tags  
 Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)  
 20202663

# JOURNAL

CONTACT: Simpson A.J.G.  
 Laboratory of Cancer Genetics  
 Ludwig Institute for Cancer Research  
 Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,  
 Brazil  
 Tel.: +55-11-2704922  
 Fax: +55-11-2707001  
 Email: asimpson@ludwig.org.br  
 This sequence was derived from the PAPER/PICR Human Cancer Genome  
 Project. This entry can be seen in the following URL  
 (http://www.ludwig.org.br/scripts/gethtml2.pl?l1=et2-MRO-HT0448-060  
 300-003-911et3-2000-03-06et4-1)  
 Seq primer: puc 18 forward  
 High quality sequence start: 15  
 High quality sequence stop: 636.  
 Location/Qualifiers

# FEATURES

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 /dev\_stage="Adult"  
 /note="Organ: head/neck; Vector: puc18; Site: 1: SmaI;  
 Site: 2: SmaI; A mini-library was made by cloning products  
 derived from ORESTES PCR (U.S. Letters Patent application  
 No. 196,716 - Ludwig Institute for Cancer Research)  
 profiles into the puc 18 vector. Reverse transcription of  
 tissue mRNA and cDNA amplification were performed under  
 low stringency conditions."

# BASE COUNT

155 a 166 c 229 g 159 t

# Query Match

19.9%; Score 534.4; DB 163; Length 709;  
 Best Local Similarity 96.0%; Pred. No. 2.2e-125;  
 Matches 569; Conservative 0; Mismatches 22; Indels 2; Gaps 2;

OY 159 GGGGCTGCTGACAGTCCCTAGACCTGACAGTGCACAGTGCACAGTGCACAGTGCACAG 218  
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 OY 219 TCAGGCCCCGAGTTCACAGGCTACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 278  
 DB 219 TCAGGCCCCGAGTTCACAGGCTACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 477  
 OY 536 TCAGGCCCCGAGTTCACAGGCTACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 337  
 DB 536 TCAGGCCCCGAGTTCACAGGCTACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 417  
 OY 476 ACAATGG-CCATTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 417  
 DB 476 ACAATGGCCATTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 397  
 OY 338 TCTGCTACAGTGCACAGAGTGCACAGTGCACAGTGCACAGTGCACAGTGCACAGTGCACAG 357  
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 OY 398 TCTGAGCATACCTGACAG 457  
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 OY 458 TCAGACCTTTATCTCTGACAG 517

Db 296 TCAGACCTTATCTACCGCAGCACTGCGACAGCAAGTACAGAGGCGCTGTCTG 237  
 QY 518 GGTGCTCTATTGAGATGGGCTCTTCATCCGCTCTATGACAAAGATCTTCACTCACTT 577  
 Db 236 GCTGCTCTATTGAGATGGGCTCTTCATCCGCTCTATGACAAAGATCTTCACTCACTT 177  
 QY 578 CAACATGTAAGTACAAAGAGCCGAGGAGCAATTTGTCGCCGGGATTCACATTTGAAGAGCTG 637  
 Db 176 CAACATGTAAGTACAAAGAGCCGAGGAGCAATTTGTCGCCGGGATTCACATTTGAAGAGCTG 117  
 QY 638 CTTCGAGAGAGGAGCGCTGAATATATACCGCTACCGGGGGCTCTGATTCACACCCCTTGC 697  
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RESULT 11  
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 ACCESSION AA151754  
 VERSION AA151754.1 GI:1720309  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 600)  
 AUTHORS Hillier, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chisoe, S., Dietrich, N., Dubuque, T., Favelli, A., Gish, W., Hawkins, M., Hultman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Merdis, E., Moore, B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohlfing, T., Schellenberg, K., Soares, M.B., Tan, F., Thierrey-Meg, J., Trevisan, E., Underwood, K., Wohlmann, P., Waterston, R., Wilson, R. and Marra, M.  
 Generation and analysis of 280,000 human expressed sequence tags  
 Genome Res. 6 (9), 807-828 (1996)  
 97044478  
 CONTACT: Wilson R K  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
 Tel: 314 286 1800  
 Fax: 314 286 1810  
 Email: est@wustl.edu

This clone is available royalty-free through LNL; contact the  
 IMAGE Consortium (info@image.llnl.gov) for further information.  
 Seq primer: -28M13 rev2 from Amersham  
 High quality sequence stop: 439.

## FEATURES

## SOURCE

1. 600

/organism="Homo sapiens"

/db\_xref="GDB:4620616"

/db\_xref="taxon:9606"

/clone="IMAGE:588314"

/clone\_lib="Stratagene colon (#937204)"

/tissue\_type="tumor"

/cell\_line="T84 carcinoma cell line"

/lab\_host="SOLR cells (kanamycin resistant)"

/note="Organ: colon; Vector: pBluescript SK-; Site: 1; EcorI; Site: 2; XhoI; cloned unidirectionally; Primer: Oligo dt. T-84 colonic epithelial cell line. Average insert size: 1.0 kb; Uni-ZAP XR Vector; -5' adaptor sequence: 5' GAATTCGACGACGACG 3' -3' adaptor sequence: 5' CTCGAGCTTTTCTTTTCTTTT 3"

146 a 150 c 144 g 157 t 3 others

BASE COUNT

19.5%; Score 522.6; DB 3; Length 600;

Best Local Similarity 96.7%; Pred. No. 2, le-122;  
 Matches 584; Conservative 0; Mismatches 14; Indels 6; Gaps 5;

QY 1105 GACCTTGCTTTGGACCTTACACACTTGGCTCTGTGACACTTGGACACTCAAGTGT 1164  
 Db 1 GACCTTGCTTTGGACCTTACACACTTGGCTCTGTGACACTTGGACACTCAAGTGT 60  
 QY 1165 TCTGTGTACTCAATCTGTAACATATGCCAGGCTCAGAGATCTCTGCTGGTCTCT 1224  
 Db 61 TCTGTGTACTCAATCTGTAACATATGCCAGGCTCAGAGATCTCTGCTGGTCTCT 120  
 QY 1225 TGTCTTGGAGACCATGAGCAGCCAGGATCCGATTCGATGGATGGAGTCACTCA 1284  
 Db 121 TGTCTTGGAGACCATGAGCAGCCAGGATCCGATTCGATGGATGGAGTCACTCA 180  
 QY 1285 CCAGCAGCAGGAAATTCAAAGTGTCTGTGTAATGTGTGAGATTTGTAAGTGTCTGA 1344  
 Db 181 CCAGCAGCAGGAAATTCAAAGTGTCTGTGTAATGTGTGAGATTTGTAAGTGTCTGA 240  
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 Db 301 TCCGGGGCTTTG-CAGAGCGTCTTCAAGTGTCTGGAATTTGCTGCTTCTCCAGC 359  
 QY 1464 TTTCAACACAGATGTGACACTCTGCTTAGGTTTGTGTGGAACTCAACTTCTTCC 1523  
 Db 360 TTTCAACACAGATGTGACACTCTGCTTAGGTTTGTGTGGAACTCAACTTCTTCC 419  
 QY 1524 TCTGAGACGGGACATCTCCCTCTATTTCTTCTGCTATG-CAAAACCTTTAATCTCA 1582  
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 Db 480 CCTTACANACTCGGGGACAAATGGGGACAGAGATCAAGTTGTAGAGNMAAANA 538  
 QY 1643 AACAGAGATATATATGATATATATTAGGACACTTTCACAGTCTCTCTGTGAT 1702  
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 Db 597 CACA 600

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 DEFINITION mRNA sequence.  
 ACCESSION AM051878  
 VERSION AM051878.1 GI:5914237  
 KEYWORDS EST.  
 SOURCE human.  
 ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 542)  
 AUTHORS NCI/NIH-CCAP http://www.ncbi.nlm.nih.gov/ncicgap.  
 TITLE National Cancer Institute / National Institute of Neurological Disorders and Stroke, Brain Tumor Genome Anatomy Project (CGAP/BRGAP), Tumor Gene Index  
 JOURNAL Unpublished (1998)  
 COMMENT Contact: Robert Strausberg, Ph.D.  
 Tel: (301) 496-1502  
 Email: Robert.Strausberg@nih.gov  
 Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.D., Ph.D.  
 CDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima Bonaldo, Ph.D.

Db	205	AGACCTGCACAGTGAATCCTCCAGTATGACGCGACCTCAGCGCCCTCGAGTTCCAAAG	264
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QY	301	GAACCTGCCCTCGAGATGACATCCAGAGGCTCCAGATCTCGGTCTAGAGTGCACGAGCT	360
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QY	421	GCACCTGTCCGCGAGCTGCACTTGTCCATTATTAATCTAGACCTTATCTGACAGAC	480
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QY	481	NACTGCGACCAACAAAGTGAAGAGCTGCTGTCCGGGTGCTCTCATGAGATGGGCTC	540
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QY	661	TTACCGCTTACCGGGGCTCCCTGATACACACCCCTTGCACCCACCTGTGCTTGACAGT	720
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QY	781	CTGCACACACATGAGAGAGACCTTCCGCCGAGAGAAATGATCAACAATCCGCGAGGTCCA	840
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QY	841	GAAGTTTCATGAGAGAGCTGTATACACTCCTTCTCCCAAGTGCAAGTCTGACTGCGGC	900
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QY	901	AGGACTGAGTCTGGGCGATCATCTCTCACTGGCCCTGGCTGGCATCTTGTGTCATCTGAT	960
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QY	961	TGTGTGTGTGTGTTCATTTGGCTTTTTCAGAGAAGAGTATCAAAAAAAGGTGATACAA	1020
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QY	1021	GGGAGTCAATTTTACAAAGCCAGCCACCAAGATGAGACTGAGGCCCAAGCTTGAAGTCCCG	1080
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DEFINITION	Sequence 1 from Patent W0075190.		
VERSION	AX057576		
KEYWORDS	AX057576.1 GI:12310299		
SOURCE	human.		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.		
AUTHORS	Torczynski, R.M. and Bollion, A.P.		



03-JUN-1999; 99US-0137396

461 agacagtgtagacatttgaccctgattgctgctctgcagccccaagatatgaccagcc 520

